WATER QUALITY ORDER NO. [XXXX-XXXX] WASTE DISCHARGE REQUIREMENTS

Effective Date:	July 11, 2019	Reg. Meas. ID:	426072
		Place ID:	852295
Program Type:	Fill/Excavation	WDID:	4WQC40118155

Project Type: Overhead Utility

Project: Sylmar Converter Station East – Filter Replacement and Storm Drain Conversion Project (Project)

Applicant: Los Angeles Department of Water and Power

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I. Order

This Order for Waste Discharge Requirements (Order) is issued at the request of the Los Angeles Department of Water and Power (herein after Permittee) for the Project. This Order is for the purpose described in the application and supplemental information submitted by the Permittee. The application was received on October 30, 2018. Prior to receiving a complete application, Los Angeles Board staff issued a notice of incomplete application and the Permittee responded to the request for application information on the following date (Table 1).

Table 1: Record of Notice(s) of Incomplete Application

Date of Notice of Incomplete Application	Date all requested information was received.
December 12, 2018	April 22, 2019

II. Public Notice

May 1, 2019The Los Angeles Water Board provided public notice of the draft Order from May 21, 2019 to June 20, 2019.

III. Project Purpose

The Project purpose is to ensure that the Pacific Direct Current (DC) Intertie is operating reliably and achieving its maximum capacity by replacing and consolidating the aging and deteriorating Alternating Current (AC) and DC Filters and their associated equipment and upgrading the existing High Voltage DC (HVDC) Control and Protection Systems at the Sylmar Converter Station East.

IV. Project Description

As part of the overall Sylmar Converter Station East Filter Replacement Project, an open earthen channel (Drainage) on the site will be buried and redesigned with a piped storm drain in order to extend the station's grounding grid across the site. The grounding grid is installed to transfer into the Earth electrical currents caused by equipment faults or lightning strikes, thereby assuring personnel safety and equipment protection. In addition, a buried pipe storm drain will allow operations personnel to have safer access to maintain the energized equipment because they will be able to cross the area of the Drainage easily and not need to access energized equipment only from more narrow approaches. The conversion to a buried pipe storm drain may assist in protecting the critical electric distribution infrastructure.

In addition, a water storage basin with sluice gate combination will be installed, which will allow for more control of any accidental releases of transformer mineral oil following an emergency.

The Drainage consists of an earthen-bottom channel that originates off site and north of the project site and is a tributary to Bull Creek, a relatively permanent water located off site and southwest of the Project site. The Drainage conveys runoff flow beneath San Fernando Road (north of the project site) and continues in a southerly direction through the site. The Drainage appears to be supported hydrologically by precipitation, urban runoff from areas north of the project site, as well as several concrete and earthen tributaries mapped on site. The Drainage

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flows through the project site for approximately 833 linear feet, at which point flows are conveyed beneath an existing road crossing just off site and south of the project. The Drainage continues to flow off site and southwest, passing beneath I-5 to the Yarnell Debris Basin, eventually merging with Bull Creek through a series of channels southwest and off site of the project site. The Drainage is best characterized as an intermittent stream channel because it supports scattered wetlands vegetation dependent on seasonal flows to subsist.

The Permittee will remove the existing Drainage and storage basin at the Project site. The channel consists of approximately 750 feet of earthen ditch and 120 feet of reinforced concrete box (RCB) culvert. The existing storage basin is predominately unlined and is approximately 85 feet by eight feet in dimension with side slopes of two to one (horizontal to vertical).

The Permittee will replace the Drainage and reinforced concrete box culvert with an approximately 870-foot long reinforced concrete pipe ranging from 24 to 42 inches in diameter. The reinforced concrete box culvert will be abandoned in place. The existing storage basin will be modified with a 64-feet by 50-feet addition, concrete walls and floor, and a sluice gate system with 24-inch diameter pipes at the outlet.

Connections from valve-controlled secondary-containment storm-drain sumps and concrete swales with catch basins will be added to the new reinforced concrete box and modified storage basin. Project activities will include:

- Clearing and grubbing the earthen portions of the channel (from two to 42 feet wide) and the storage basin;
- Excavation and trenching; the approximate dimensions of the open trench is ten feet wide and four to six feet deep;
- Excavation of the modified storage basin (approximately 4.5 – 5.4 feet deep); and
- The installations of:
    - a precast flared inlet;
    - a precast reinforced concrete box;
    - two manholes;
    - two 18-inch lateral storm drains, approximately 20 to 40 feet, that will connect to the existing facility storm drains;
    - a 28 feet wide headwall at the outlet of the reinforced concrete box;
    - rip rap at the reinforced concrete box outlet (12 feet wide by 25 feet long);
    - concrete walls and floor to the modified storage basin; and
    - the sluice gate system at the outlet of the modified storage basin.

The entire length of the channel will be filled to grade level with a concrete swale paralleling (directly above) the reinforced concrete box and a minimum of four catch basins will be installed to drain into the reinforced concrete box.

The proposed schedule for the drainage and basin work is June 2019 through December 2019.

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V. Project Location

Sylmar, Los Angeles County

Latitude	Longitude
34.313498	-118.481988
34.311295	-118.482966
34.312818	-118.482295
34.312206	-118.482683
34.312039	-118.482645
34.312785	-118.482459
34.311275	-118.482847
34.313502	-118.482019

Maps showing the Project location are found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of Los Angeles Regional Water Quality Control Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at:

http://www.waterboards.ca.gov/plans_policies/.

The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by ensuring the MUN beneficial use is protected through various BMPs and other conditions designed to minimize impacts.

Receiving Water:	Bull Creek, above the Lower Van Norman Reservoir Los Angeles River Reach 5 (Hydrologic Unit Code: 180701050204)
Designated Beneficial Uses:	MUN*, GWR, WARM, WILD, REC-1, REC-2 *Conditional beneficial use

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Table 2. Permanent impacts are a physical loss in area. There are no temporary impacts to waters because the Project will remove the entire existing Drainage and storage basin at the Project site and therefore is entirely permanent impacts. The Jurisdictional Delineation Report for the project produced by Dudek for the Permittee found the project would also cause the loss of riparian resources (California Department of Fish and Wildlife (CDFW) jurisdictional areas) as 0.22 acres.

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Table 2: Total Project Fill/Excavation Quantity		
Aquatic Resource Type	**Permanent Impact**	
	Physical Loss of Area	
	Acres	Linear Feet
Stream Channel	0.12	918

VIII. Compensatory Mitigation

In order to meet the project purpose, the entire existing Drainage and storage basin at the Project site will be removed; therefore there will be no avoidance of impacts to the Drainage. Two small tributaries on the site which lead to the Drainage (a 57 ft concrete-lined v ditch and 60 ft dich which is currently partially underground) will be avoided.

The Permittee has agreed to provide compensatory mitigation for permanent impacts at a 3:1 ratio per section XII.H. for the permanent physical loss of stream channel. The Permittee will purchase ephemeral stream re-establishment and alluvial floodplain re-establishment mitigation credits from the Land Veritas Petersen Ranch Mitigation Bank. The project is within the Land Veritas Petersen Ranch Mitigation Bank service area. Re-establishment credits provide both a gain in aquatic resource area and a gain in ecological function.

At the Land Veritas Petersen Ranch Mitigation Bank, ephemeral stream re-establishment areas support riparian communities that vary from Mulefat scrub and willow to more xeric riparian communities dominated by sagebrush, California buckwheat, desert olive, or thick leaved yerba santa. Alluvial floodplain re-establishment areas are dominated by a mix of riparian vegetation including xeric riparian species such as thick leaved yerba santa, wild tarragon, California buckwheat, sagebrush, and scalebroom but can also contain patches of cottonwoods, willows, and mulefat. The Drainage to be impacted includes some patches of willow and mulefat but also is degraded by extensive non-native vegetation including castor bean, Russian thistle and mustard. Additionally, the Drainage is on an industrial site and has little riparian or upland buffer. As such, the proposed mitigation is appropriate because, while all aquatic resource area and all degraded ecological function is lost in the 0.12 acres of the Drainage, the functions expected to be produced by the proposed compensatory mitigation are expected to be as great as or greater than the functions lost at the impact site.

Mitigation banks are preferred to permittee-responsible mitigation because the risk of mitigation failure is reduced, and temporal losses of aquatic resource functions are reduced because the mitigation is completed by the bank before project impacts.

IX. California Environmental Quality Act (CEQA)

The Los Angeles Water Board has determined that the Project is exempt from review under CEQA pursuant to California Water Code of Regulations, title 14, section 15061, subdivision (b)(2). Specifically, the issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations title 14, section(s) 15301, subdivision (b), because the Project entails repair, maintenance and minor alteration of existing facilities of a publicly-owned utility. Section 15304 also exempts projects like this, where there is a minor alteration to land and no removal of healthy,

mature or scenic trees. Additionally, the Los Angeles Water Board concludes that no exceptions to the CEQA exemption apply to the activities approved by this Order.

X. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with Water Code Section 13320. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XI. Fees Received

An initial fee of $600.00 was received on October 31, 2018. An additional fee of $1,638.00 based on total Project impacts was received on January 25, 2019. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

XII. Conditions

The Los Angeles Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 2.

B. Reporting and Notification Requirements

Requirements for reporting and notification are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

a. Annual Reporting: The Permittee shall submit an Annual Report each year on the anniversary of Project effective date. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee. Report contents are detailed in Attachment C.

2. Project Status Notifications

a. Commencement of Construction: The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.

b. Request for Notice of Completion of Discharges Letter: The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Los Angeles

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Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Los Angeles Water Board staff shall issue a Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period and associated annual fees.

c. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,[4] and no further Project activities will occur. This request shall be submitted to Los Angeles Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Los Angeles Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. **Conditional Notifications and Reports:** The following notifications and reports are required.

a. **Accidental Discharges of Hazardous Materials**[5]

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
- then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
- Lastly, follow the required OES procedures as set forth in:http://occupainfo.com/civicax/filebank/blobdload.aspx?BlobID=26396 http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf

ii. Following notification to OES, the Permittee shall notify Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

iii. Within five (5) working days of notification to the Los Angeles Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

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[4] Completion of post-construction monitoring shall be determined by Los Angeles Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

[5] "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the Los Angeles Water Board within 24 hours of any event causing a violation of water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.

ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. Water Diversion

i. If water diversion is needed, the Permittee shall provide a water diversion plan, including the area to be diverted, timing of diversion, and method of diversion to be implemented, to the Los Angeles Water Board for review and acceptance.

ii. All temporary diversion methods shall be designed to have the minimum necessary impacts to waters of the state to isolate the immediate work area. All diversion methods shall be installed such that natural flow is maintained upstream and downstream of the project area. Any temporary dams or diversions shall be installed such that the diversion does not cause sedimentation, siltation, or erosion upstream or downstream of the project area. All diversion methods shall be removed immediately upon completion of Project activities.

iii. The Permittee shall notify the Los Angeles Water Board at least forty-eight (48) hours prior to initiating water diversions. Notification may be via telephone, e-mail, or delivered written notice.

d. During planned work in water or stream diversions any discharge(s) to waters of the state shall conform to the following water quality standards:

i. Oil and Grease. Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.

ii. Dissolved Oxygen. No single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations.

iii. pH. The pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.

iv. Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

e. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Los Angeles Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

C. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

2. **Accidental Discharges/Noncompliance:**

   Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles Water Board Executive Officer may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. **In-Water Work or Diversions:**

   Sampling shall be conducted in accordance with Table 3 *Sampling Parameters*.[6]

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[6] Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method must be designed to be accurate and repeatable and shall be approved by Los Angeles Water Board Executive Officer. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

Table 3: Sample Type and Frequency Requirements			
Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Daily for the first week, weekly, thereafter
pH	Standard Units	Grab	Daily for the first week, weekly, thereafter
Turbidity	NTU	Grab	Daily for the first week, weekly, thereafter
Temperature	°F (or as °C)	Grab	Daily for the first week, weekly, thereafter

Baseline sampling shall be conducted at a minimum of one location within the project boundary for each phase. All other sampling shall take place at a minimum of two locations. In streams or flowing water the sample locations shall be upstream and downstream of the Project. Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. A summary of results shall discuss the analysis. Every measurement not meeting the compliance limits shall be accompanied by an explanation, the actions taken to correct the degradation to waters, and addressed in *Violation of Compliance with Water Quality Standards* report described above.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, commencing with sections 2050-2068, inclusive. Additionally, the Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

2. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.

3. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state law.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13350.

2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the

Basin Plans by any applicable Los Angeles Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.

3. In response to a suspected violation of any condition of this Order, the Los Angeles Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.

4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.

5. **Construction General Permit Requirement:** The Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-009-DWQ and NPDES No. CAS 000002 as amended by Order No. 2010-0014-DWQ, Order No. 2012-0006-DWQ, and any amendments thereto) (General Construction Permit).

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment B of this Order.

2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

3. The Permittee shall grant Los Angeles Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:

a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.

b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.

c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.

d. Sample or monitor for the purposes of assuring Order compliance.

4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.

5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

6. Lake and Streambed Alteration Agreement – CDFW, in a letter dated October 24, 2018, stated that CDFW "… had until October 23, 2018, to submit a draft Lake or Streambed Alteration Agreement (Agreement) to you or inform you that an Agreement is not required. CDFW did not meet that date. As a result, by law, you may now complete the project described in your notification without an Agreement." If there is a change to the project such that a Lake or Streambed Alteration Agreement is required, the Permittee shall submit a signed copy of the Department of Fish and Wildlife's Lake or Streambed Alteration Agreement to the Los Angeles Water Board immediately upon execution and prior to any discharge to waters of the state.

G. Best Management Practices

1. All work will be performed in accordance with the Stormwater Pollution Prevention Plan for the Sylmar Converter Station East Filter Replacement Project (WDID: 419C381562) (Sylmar Project SWPPP) to minimize impacts from erosion and sediments to the storm drain and its immediate location.

2. Fiber rolls shall be used to control erosion per the Project site map included with the Sylmar Project SWPPP.

3. Loose stockpiled construction materials that are not actively being used shall be covered and bermed.

4. Concrete shall be excluded from surface water or storm drains for a period of thirty (30) days after it is poured or disbursed.

5. No unset cement, concrete, grout, damaged concrete spoils, or wash water used to clean concrete surfaces shall contact or enter surface waters.

6. Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall not result in a discharge or a threatened discharge to any waters of the state. The Permittee shall not use leaking vehicles or equipment within waters of the state or where leaking materials may discharge to waters of the state.

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7. Chemicals shall be stored in watertight containers (with appropriate secondary containment to prevent and spillage or leakage) or in a storage shed (completely enclosed).

8. Contractors must have a supply of erosion control materials, and fuel and hydraulic fluid spill containment supplies onsite to facilitate a quick response to unanticipated storm events, or fuel or hydraulic fluid spill emergencies.

9. Spills of any type shall be cleaned up immediately.

10. If the project continues beyond August 2019, the Permittee shall develop and implement a site-specific Rain Event Action Plan (REAP) as described in the General Construction Permit.

11. The project shall comply with the local regulations associated with the Los Angeles Water Board's Municipal Stormwater Permit issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. R4-2012-0175 or subsequent order.

H. Compensatory Mitigation for Permanent Impacts[10]

1. The permittee shall provide compensatory mitigation for permanent impacts to 0.12 acres of stream channel at a 3:1 mitigation ratio (0.36 acres). The permittee has submitted a compensatory mitigation plan to provide 0.06 ephemeral stream re-establishment credits and 0.3 alluvial floodplain re-establishment credits at the Land Veritas Petersen Ranch Mitigation Bank.

2. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the Los Angeles Water Board within 90 days of authorized impacts.

3. The Permittee shall retain responsibility for providing the compensatory mitigation and long-term management until Los Angeles Water Board staff has received documentation of the credit purchase and the transfer agreement between the Permittee and the seller of credits.

4. Total required Project compensatory mitigation information is summarized in Table 4.

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[10] Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.

Table 4: Required Project Compensatory Mitigation Quantity

Aquatic Resource Type	Comp Mit. Type[11]	Units	Method[12]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	MB	Acres		0.06				
Riparian Zone	MB	Acres		0.30				

XIII. Certification

I, Renee Purdy, do hereby certify that the foregoing is a full, true, and correct copy of WATER QUALITY ORDER NO. [XXXX-XXX] (WDID 4WQC40118155) issued on July 11, 2019

Renee Purdy
Executive Officer
Los Angeles Water Quality Control Board

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[11] Compensatory mitigation type may be: In-Lieu-Fee (ILF); Mitigation Bank (MB); Permittee-Responsible (PR)

[12] Methods: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.